NAME DATE PERIOD	NAME	DATE	PERIOD
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## **Chapter 5 Test Practice**

SCORE \_\_\_\_\_

For Questions 1-6, solve each inequality.

1. 
$$\frac{x}{2}$$
 -7 > 3  
2.  $\frac{7}{7}$  +  $\frac{7}{5}$  -3  
8.  $\frac{b}{8}$  >  $-\frac{1}{5}$  -8  
9.  $\frac{b}{8}$  >  $-\frac{1}{5}$  -5 . 5 2  $\frac{7}{5}$  -5 . 5 2  $\frac{7}{5}$  -5 . 5 2  $\frac{7}{5}$  -5 . 5 2  $\frac{7}{5}$ 

7. The sum of two consecutive integers is at most 17. What is the greatest possible value for the greater integer?

X+(X+1) = 170 9 16 2x+1<17 2x -16 2x+1<17 2x -128 8. Which of the following is the graph of the solution set of m > -1 and  $m \le 1$ ?



9. Which compound inequality has the solution set shown in the graph?

**F** 
$$x < -1$$
 or  $x > 3$   
**G**  $x > -1$  or  $x < 3$ 

$$\mathbf{H} x > -1 \text{ or } x \ge 3$$

$$Jx \le -1 \text{ or } x \ge 3$$

10. Which of the following is the solution set of 2a + 1 > 9 or a < -1?

A  $\{a \mid a < -1 \text{ or } a > 4\}$ C  $\{a \mid -1 \le a \le 4\}$ 

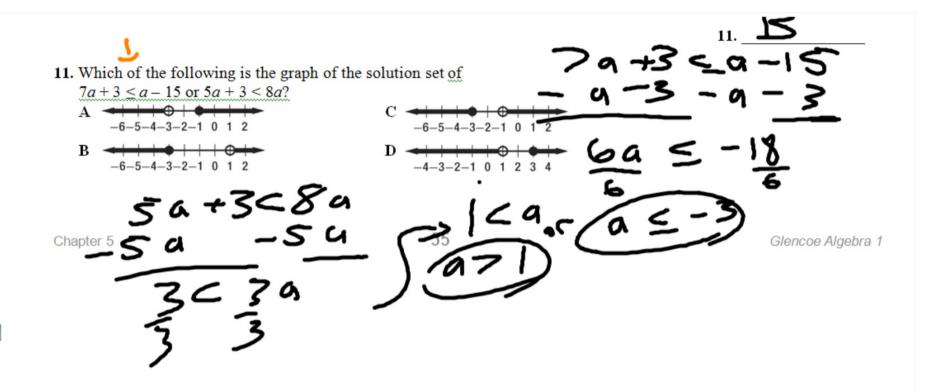
A 
$$\{a \mid a < -1 \text{ or } a > 4\}$$

C 
$$\{a \mid -1 \le a \le 4\}$$

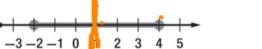
**B** 
$$\{a \mid a \le -1 \text{ or } a \ge 4\}$$

**D** 
$$\{a \mid a < -1 \text{ or } a > 5\}$$

11.



Chapter 5 rest Practice (continued)

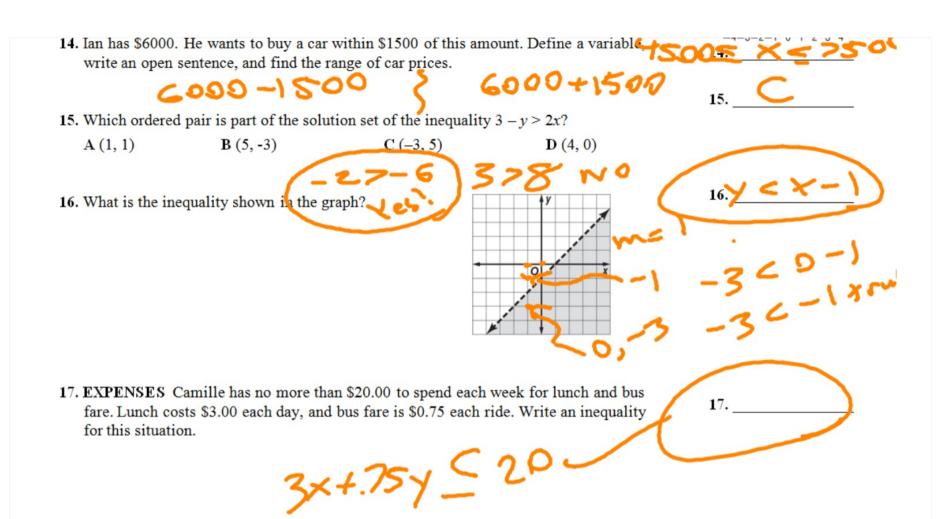


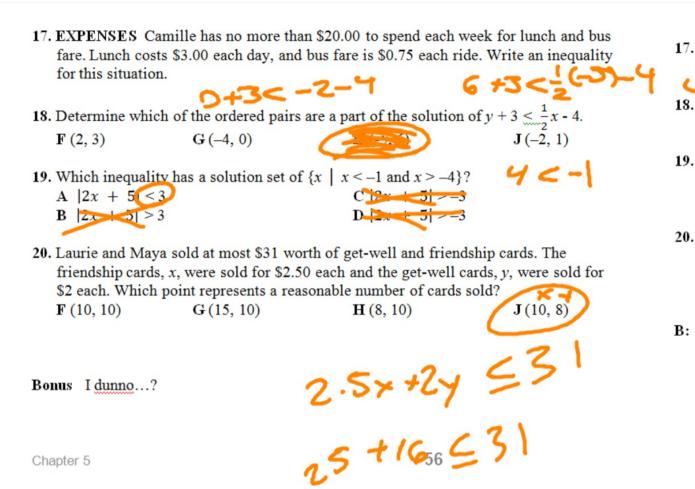
- 12. Which inequality corresponds to the graph shown?
  - **F**  $|x 3| \le 1$

- **H**  $|x 3| \ge 1$
- G  $|x 1| \le 3$
- $J|x-1| \ge 3$
- 13. Solve the inequality. Then graph the solution set.

$$|3 - 2x| \ge 1$$
 $|3 - 2x| \ge 1$ 
 $|3 - 2x| \ge 1$ 
 $|3 - 2x| \ge 1$ 
 $|3 - 2x| \ge 1$ 

- -4-3-2-1 0 1 2 3 4
- 15.
- 16.





Chapter 5

Glencoe Algebra 1